

EVAPORATION IN THE TIJUANA RIVER BASIN  
IN MILLIMETERS

Tabulated below are records of evaporation observed at 3 stations in California and at 2 stations in Baja California, with averages for their periods of record. The stations in California are observed by Western Salt Company, City of San Diego, California, and the United States Section of the Commission; those in Baja California are observed by the Ministry of Agriculture and Hydraulic Resources of Mexico. For specific location of these stations, refer to data opposite same station name shown in "Location of Rainfall Stations on the Tijuana River Watershed" in this bulletin.

Types of pans used:

1. Barrett Reservoir: January 1921 through September 1926, square 0.91-meter by 0.91-meter by 0.46-meter deep floating pan. October 1926 through 2001, square 0.91-meter by 0.91-meter by 0.46-meter deep land pan set 0.38-meter in ground.

2. Morena Reservoir: October 1915 through December 1921, square 0.91-meter by 0.91-meter by 0.46-meter deep floating pan. January 1922 through August 1926 records are the average of evaporation in a square 0.91-meter by 0.91-meter by 0.46-meter deep floating pan and a land pan of the same dimensions. September 1926 through 2001, square 0.91-meter by 0.91-meter by 0.46-meter deep land pan set 0.38-meter in ground.

3. Lower Otay Dam: January 1950 through 2001, square 0.91-meter by 0.91-meter by 0.46-meter deep land pan set 0.38-meter in ground.

IN THE UNITED STATES						
Month	Morena Dam, California		Barrett Dam, California		Lower Otay Dam California	
	2001	Average 1916-2001	2001	Average 1921-2000	2001	Average 1950-2001
Jan.	68	55	33	47	51	49
Feb.	10	53	26	53	82	57
Mar.	67	81	57	83	90	85
April	90	117	78	115	115	118
May	212	164	141	162	151	153
June	223	210	183	199	192	175
July	259	241	185	234	196	208
Aug.	256	224	195	221	196	196
Sept.	211	178	159	179	167	161
Oct.	164	125	113	126	119	118
Nov.	79	79	55	77	65	72
Dec.	42	57	29	49	52	55
Yearly	1,681	1,584	1,254	1,545	1,476	1,447

IN MEXICO				
Month	Rodriguez Dam, Baja California		El Carrizo, Baja California	
	2001	Average 1939-2001	2001	Average 1980-2001
Jan.	65	100	111	133
Feb.	58	102	87	114
Mar.	81	109	99	138
April	108	139	146	181
May	149	131	210	220
June	179	190	306	273
July	182	213	264	295
Aug.	179	198	290	291
Sept.	143	164	250	241
Oct.	107	136	186	208
Nov.	61	107	110	152
Dec.	56	85	103	134
Yearly	1,368	1,690	2,162	2,358